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Medical Department Number

1919-1920

Brunswick, Maine

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CATALOGUE

OF THE

BOWDOIN MEDICAL SCHOOL

THE MEDICAL DEPARTMENT

OF

BOWDOIN COLLEGE

FOR THE ONE-HUNDRETH YEAR

1919 1920

BRUNSWICK, MAINE
PRINTED FOR THE COLLEGE
MCMXIX

Calendar

1919

October 9—Thursday. Entrance examinations: for first year students at nine o'clock A. M., in Brunswick.

October 10—Friday. Re-examinations, deferred examinations and examinations for advanced standing for second year, in Brunswick, in Anatomy, at eight o'clock A. M.; in Physiology, at two o'clock P. M.; in Chemistry at seven P. M.

October 11—Saturday. Re-examinations, deferred examinations and examinations for advanced standing for third year, in Portland, in Anatomy at nine o'clock A. M.; in Physiology at two o'clock P. M.

Re-examinations, deferred examinations and examinations for those wishing to enter the fourth year will be held in Portland on Friday and Saturday, October 12 and 13, at hours to be hereafter appointed.

Thanksgiving Recess from 1 P. M., Wednesday, November 26, to 8 A. M., Monday, December 1.

Vacation from 1 P. M., Saturday, December 20, to 8 A. M., Monday, January 5, 1920.

1920

Vacation from 6 P. M., Friday, March 26, to 8 A. M., Tuesday, April 6.

April 19—Monday. Patriots' Day.

June 2 to 16—Examinations. Wednesday to Wednesday of second week.

June 24—Thursday. Commencement.

Summer vacation of fifteen weeks.

FACULTY

KENNETH CHARLES MORTON SILLS, LL.D., PRESIDENT
85 Federal Street, Brunswick.
FRANKLIN CONANT PAYSON, LL.D., *from the Board of Trustees.* 120 Exchange Street, Portland.
ERNEST BOYEN YOUNG, A.B., M.D., *from the Board of Overseers.* 434 Marlboro Street, Boston, Mass.
FREDERIC HENRY GERRISH, M.D., LL.D., *from the Board of Overseers, Professor Emeritus of Surgery.*
675 Congress Street, Portland.

ADDISON SANFORD THAYER, A.B., M.D., DEAN, *and Professor of Medicine.* 10 Deering Street, Portland.
FRANK NATHANIEL WHITTIER, A.M., M.D., *Professor of Pathology and Bacteriology, and* DEPUTY DEAN *in Brunswick.* 161 Maine Street, Brunswick.
CHARLES HENRY HUNT, A.B., M.D., *Professor of Materia Medica, Pharmacology and Therapeutics, and* SECRETARY OF THE FACULTY. 183 Spring Street, Portland.

CHARLES DENNISON SMITH, A.M., M.D., *Professor of Physiology.* Maine General Hospital, Portland.
WILLIS BRYANT MOULTON, A.M., M.D., *Professor of Ophthalmology and Otology.* 180 State Street, Portland.
JOHN FRANKLIN THOMPSON, A.M., M.D., *Professor of Diseases of Women.* 211 State Street, Portland.
EDWARD JOSEPH McDONOUGH, A.B., M.D., *Professor of Obstetrics.* 51 Deering Street, Portland.
WALTER EATON TOBIE, M.D., *Professor of Surgery.*
3 Deering Street, Portland.

Bowdoin Medical School

MARSHALL PERLEY CRAM, PH.D., *Professor of Chemistry.* 83 Federal Street, Brunswick.
HENRY HERBERT BROCK, A.B., M.D., *Professor of Clinical Surgery.* 687 Congress Street, Portland.
JOSEPH BLAKE DRUMMOND, A.B., M.D., *Professor of Anatomy.* 52 Deering Street, Portland.

DANIEL ARTHUR ROBINSON, A.M., M.D., *Professor of Medical Ethics.* 140 Hammond Street, Bangor, Maine.
ALFRED MITCHELL, JR., A.B., M.D., *Professor of Genito-Urinary Surgery.* 655 Congress Street, Portland.
GUSTAV ADOLF PUDOR, A.B., M.D., *Professor of Dermatology.* 134 Free Street, Portland.
EDVILLE GERHARDT ABBOTT, A.M., SC.D., M.D., *Professor of Orthopedic Surgery.* 156 Free Street, Portland.
GILMAN DAVIS, M.D., *Professor of Diseases of Nose and Throat.* 655 Congress Street, Portland.
WILLIAM HERBERT BRADFORD, A.M., M.D., *Professor of Clinical Surgery.* 208 State Street, Portland.
HENRY MARSHALL SWIFT, A.B., M.D., *Professor of Neurology.* 30 Deering Street, Portland.
MANTON COPELAND, PHD., *Professor of Embryology and Histology.* 88 Federal Street, Brunswick.
JAMES EDWARD KEATING, A.B., M.D., *Professor of Clinical Medicine.* 143 Pine Street, Portland.
FORREST CLARK TYSON, M.D., *Professor of Mental Diseases.* State Hospital, Augusta.
EUGENE LESLIE BODGE, A.B., LL.B., *Professor of Medical Jurisprudence.* 120 Exchange Street, Portland.
ROLAND BANKS MOORE, M.D., *Lecturer in Pediatrics.* 66 Deering Street, Portland.
GILBERT MOLLESON ELLIOTT, A.M., M.D., *Assistant Professor and Demonstrator of Anatomy.* 152 Maine Street, Brunswick.

RICHARD DRESSER SMALL, A.B., M.D., *Assistant Professor of Obstetrics.* 154 High Street, Portland.

ALFRED OTTO GROSS, PH.D., *Assistant Professor of Histology and Embryology.* 11 Boody Street, Brunswick.

CARL MERRILL ROBINSON, A.B., M.D., *Assistant Professor of Anatomy.* 188 A State Street, Portland.

PHILIP WESTON MESERVE, A.M., *Assistant Professor of Chemistry.* 24 College Street, Brunswick.

WILLIAM WHEELER BOLSTER, A.B., M.D., *Assistant Professor of Physiology.* 149 College Street, Lewiston.

FRANCIS JOSEPH WELCH, A.B., M.D., *Assistant Professor of Pulmonary Diseases.* 698 Congress Street, Portland.

HERBERT ELDRIDGE MILLIKEN, M.D., *Assistant Professor of Gastro-Enterology.* 156 Free Street, Portland.

HARRY SMITH EMERY, A.B., M.D., *Assistant Professor of Medicine.* 721 Stevens Avenue, Portland.

ALBERT WILLIS MOULTON, A.B., M.D., *Assistant Professor of Ophthalmology and Otology and Superintendent of the Dispensary.* 180 State Street, Portland.

EARLE CHRISTIE FOLLETT, M.D., *Assistant Professor of Bacteriology.* Adams Hall, Brunswick.

HERBERT FRANCIS TWITCHELL, M.D., *Instructor in Clinical Surgery.* 10 Pine Street, Portland.

CHARLES MILTON LEIGHTON, A.B., M.D., *Instructor in Clinical Surgery.* 14 Deering Street, Portland.

EDWIN MOTLEY FULLER, A.B., M.D., *Instructor in Pathology and Bacteriology.* 808 High Street, Bath

HAROLD JOSSELYN EVERETT, A.B., M.D., *Instructor in Obstetrics.* 5 Bramhall Street, Portland.

WALLACE WADSWORTH DYSON, M.D., *Instructor in Clinical Surgery.* 18 Deering Street, Portland.

PHILIP WEBB DAVIS, A.B., M.D., *Instructor in Clinical Surgery.* 99 Winton Street, Portland.

CLEMENT PLUMMER WESCOTT, M.D., *Instructor in Neurology.* 147 Pleasant Avenue, Portland.

Bowdoin Medical School

CLINTON NOYES PETERS, A.B., M.D., *Instructor in Genito-Urinary Surgery.* 655 Congress Street, Portland.

EDSON SELDEN CUMMINGS, M.D., *Instructor in Medicine.* 12 Pine Street, Portland.

HAROLD VINCENT BICKMORE, A.B., M.D., *Instructor in Materia-Medica, Pharmacology and Therapeutics.* 123 Congress Street, Portland.

WILLIAM DeLUE ANDERSON, M.D., *Instructor in Anatomy.* 16 Deering Street, Portland.

GEORGE ALTON TIBBETTS, A.B., M.D., *Instructor in Surgery.* 149 Park Street, Portland.

HAROLD ASHTON PINGREE, M.D., *Clinical Assistant in Orthopedics.* 156 Free Street, Portland.

FRANCIS WILSON LAMB, M.D., *Clinical Assistant in Orthopedics.* 156 Free Street, Portland.

ORAMEL ELISHA HANEY, M.D., *Clinical Assistant in Surgery.* 528 Deering Avenue, Portland.

LUCINDA BLAKE HATCH, M.D., *Clinical Assistant in Obstetrics.* 27 Deering Street, Portland.

ERNEST BERTRAND FOLSOM, A.B., M.D., *Clinical Assistant in Medicine.* 77 Granite Street, Portland.

STANWOOD ELMAR FISHER, M.D., *Clinical Assistant in Diseases of the Nose and Throat.* 190 State Street, Portland.

ERASTUS EUGENE HOLT, JR., A.B., M.D., *Clinical Assistant in Ophthalmology.* 723 Congress Street, Portland.

JOHN HOWARD ALLEN, M.D., *Clinical Assistant in Otology.* 717 Congress Street, Portland.

WILLIAM COTMAN WHITMORE, A.B., M.D., *Assistant in Genito-Urinary Surgery.* 771 Stevens Avenue, Portland.

EUGENE HENRY DRAKE, A.B., M.D., *Assistant in Medicine.* 35 Deering Street, Portland.

GERALD GARDNER WILDER, A.B., *Librarian.* 2 Page Street, Brunswick.

Students in 1919-20

FOURTH YEAR—Class of 1919

Name	Residence
Allen, Harry Everett, A.B.	Brunswick
Beal, George Napoleon	Jonesport
Carde, Albert Martin, Jr.	Bowdoinham
Drake, Eugene Henry, A.B.	Pittsfield
Dresser, Norman Bates, A.B.	Berlin, N. H.
Gordon, Charles Howard	Ashland, N. H.
Holt, William, A.B.	Bridgton
*King, Frederick Melville	
Mannix, Daniel Maurice, A.B.	Portland
Nickerson, Norman Hunt, A.B.	Red Beach
O'Connor, Denis Stanislaus	Biddeford
Paretchanian, Giragos Haroutunc, A.B.	Marash, Asia Minor
Renaud, Ulric Joseph	Brockton, Mass.
Toothaker, Bernard Leroy	Strong
Tower, Elmer Madison	Southwest Harbor
Walker, Harry Burton, A.B.	Biddeford
White, Langdon Robert, B.S.	Bath

THIRD YEAR—Class of 1920

Name	Residence
Anderson, Adolph, B.P.E.	Brooklyn, N. Y.
Grant, Hendrie Walter	Calais

*Died, Oct. 18, 1918, Portland, Me.

Hall, Earl Stanley	Springfield, Mass.
Herlihy, Edward Leo	Bangor
LeLasher, Clement Paul	New Haven, Conn.
Margulis, Abraham Bernard, B.S.	Odessa, Russia
Matthews, Floyd Osborn	St. Albans
Merrill, Urban Howe, A.B.	Lawrence, Mass.
Thayer, Ralph Bruce, B.S.	Enfield, Mass.
Webber, Isaac Mervyn, B.S.	Weeks Mills
Wight, Winfield Emmons, A.B.	Milan, N. H.

SECOND YEAR—Class of 21

Name	Residence
*Bernard, Winfred Oliver, A.B.	
Brewster, Hugh Maynard, PH.C.	Dexter
Dunham, Rand Augustus	Rumford
Finn, Alfred Joseph, A.B.	Waterbury, Conn.
Giguere, Eustache Napoleon	Lewiston
Hill, William Edward	Meriden, Conn.
Howard, Henry Marshall	East Andover
Johnson, Henry Peter	Stetson
King, Francis Joseph	Woonsocket, R. I.
Van Wart, William Haley, A.B.	Cherryfield

FIRST YEAR—Class of 1921

Name	Residence
Dooley, Francis Matthew, A.B.	Portland
Hanson, Henry Wallace, Jr.	Bath
Lowell, William Arthur, B.S.	East Bridgewater
Lee, Harold Gordon	Ashland

* Died Dec. 17, 1918, Brunswick, Me.

Bowdoin Medical School

Lombard, Reginald Thomas	Portland
Murray, Edwin Thomas, PH.C.	Bangor
Mundie, Perley James	Calais

Announcement

The Bowdoin Medical School was established in 1821 by the first Legislature of the State of Maine, and was placed under the control of the Trustees and Overseers of Bowdoin College.

The course of instruction covers four years of thirty-six weeks each, as follows:

First Year: Anatomy, Embryology, Histology, Physiology, Chemistry, and Personal Hygiene.

Second Year: Anatomy, Physiology, Pathology, Bacteriology, Public Hygiene, and Pharmacology.

Third Year: Medicine, Surgery, Clinical Pathology, Materia Medica, Diseases of Women, Obstetrics, Diseases of the Eye, Ear, Nose, Throat, Skin, and Genito-Urinary System.

Fourth Year: Medicine, Surgery, Orthopedic Surgery, Therapeutics, Medical Jurisprudence, Medical Ethics, Diseases of Children, Neurology, and Mental Diseases, with additional clinical instruction in the studies of the third year.

The students of the first and second years are instructed at Brunswick, where the scientific departments of Bowdoin College contribute facilities for teaching the primary branches. The third and fourth year classes are taught in Portland on account of the clinical advantages afforded in that city.

As heretofore, the Maine General Hospital (140 beds) will furnish opportunities for bedside study. Other institutions in Portland, including the Maine Eye and Ear Infirmary, the City Hospital, the Children's Hospital, the Marine Hospital, the Female Orphan Asylum, the St. Elizabeth's Orphan Asylum, the Holy Innocents' Home, the Maine School for the Deaf and the Maine School for the Blind will continue to contribute to the instruction of the students of the Medical School. The Edward Mason Dispensary, a gift to Bowdoin College from Mr.

and Mrs. Hugh J. Chisholm, increases notably the facilities for clinical teaching.

The Library of the Medical School, containing over 5,000 volumes, has been combined with that of the College, which numbers over 113,000 volumes. Both collections are under the same administration and are at the service of the medical students. The more recently published medical works and current numbers of professional journals are kept in a separate room for their especial use. It is not the policy of the School to furnish text-books through its library, or to buy largely in medical literature; yet by means of the catalogue of the Library of the Surgeon General's Office and the system of inter-library loans, the Librarian is able to procure for use in serious investigation almost any book that may be desired.

The Library of the Maine Academy of Medicine and Science, now the property of the Maine Medical Association, is housed conveniently at the Maine Eye and Ear Infirmary, and is available for the use of students of the Medical School.

The expenses of maintenance of this school are defrayed in greater part by the income from invested funds, especially from the Merritt-Garcelon bequest. A large number of students is neither expected nor desired. Modern methods in medical education demand individual instruction. The Boards of Bowdoin College and the teachers in the Medical School believe that the record of long and honorable service, which the school has secured, can be maintained best, if the number of students is small, and the standard of teaching is high.

The one hundredth annual course will begin on Thursday, the 9th of October, 1919, and will continue thirty-six weeks.

ADMISSION

The requirement for admission is not less than the equivalent of two years of instruction in a college of liberal arts and science, of at least 15 week hours each, and must include English 3, a modern language 3 (French, German, Spanish or Ital-

ian), physics 3, biology 3, and chemistry, including general chemistry with laboratory work, qualitative analysis and organic chemistry.

Students from other schools who apply for advanced standing must comply with the requirements for admission to the first year, must give satisfactory evidence that they have completed courses of instruction and must pass examinations in all of the branches previously pursued by the class which they wish to enter.

Time spent in pharmaceutical, dental and veterinary institutions does not entitle a student to examination for advanced standing.

Graduates of other schools are not eligible for a degree from this school without attendance upon a full year of instruction immediately preceding the examination for such a degree.

Examinations for admission to the school will be held at nine o'clock on the morning of the first day, Thursday, the 9th of October in Brunswick.

Re-examinations, deferred examinations and examinations for advanced standing for those who desire to enter the second year will be held in Brunswick Friday, the 10th of October. Examinations in anatomy at eight o'clock, A. M.; in physiology at two o'clock P. M.; in chemistry at seven o'clock P. M.

Re-examinations, deferred examinations and examinations for advanced standing for those wishing to enter the third year will be held in Portland on Saturday, October 11. Examinations in anatomy at nine o'clock A. M.; in physiology at two o'clock P. M.

Re-examinations, deferred examinations and examinations for those wishing to enter the fourth year will be held in Portland on Friday and Saturday, October 10 and 11, at hours to be hereafter appointed.

At the end of the first, second and third years, students who have passed successful examinations will receive certificates from the Secretary.

Graduation

A student who fails to pass any branch at the required examination in June, may present himself for re-examination at the beginning of the next course. If he fails at this examination he shall not again be examined in that branch until the expiration of the year, unless admitted to conditions by vote of the faculty on recommendation of the head of the department in which he has failed.

On recommendation of the head of a department, any student who has failed on examinations as above provided in the study of that department, may by vote of the faculty be allowed to enter upon the work of the next year, but he shall not be admitted to any examination of that year until he shall have passed a satisfactory examination in the study or studies which he had previously failed to pass.

No student will be admitted to the privilege of conditions if he has failed in more than two departments.

An examination which is not complete receives no consideration.

The systematic course of instruction will begin on Monday morning, the 13th of October, 1919.

On arriving in Brunswick students should apply to the Deputy Dean, Dr. F. N. Whittier, enter their names, receive directions concerning their examinations, if any are needed, pay their fees, and be advised as to boarding places.

In Portland they should apply, for the same purposes, at the office in the medical building, Chadwick street.

GRADUATION

A candidate must be twenty-one years of age, and must have devoted to his professional studies four years, including a course of instruction in each of these years in some reputable, regular, incorporated medical institution, and the last course previous to examinations must have been in this school. He must present a satisfactory certificate of good moral character from a citizen of the town in which he resides. He must also

pass satisfactory examinations in the required studies previously specified and present a thesis on some medical subject, a fair copy of which must be handed to the Dean at least ten days before the beginning of the final examinations.

EXPENSES

For Instruction: In each of the required four years $100. This shall be paid promptly, one-half at the opening of the course and the balance on the first Tuesday in February.

For Examinations: Payable at the close of the term of instruction:

In Anatomy	$5.00
In Physiology	5.00
In Chemistry	5.00
In Bacteriology and Pathology	5.00
In Obstetrics	5.00

These five fees are credited on the graduation fee.

For every re-examination in any of the departments in any year, $3.00. This fee is not credited on the graduation fee.

For examination or re-examination in any branch, at a time not regularly appointed, a fee of $5.00 must be paid in addition to the prescribed fee for that examination.

Miscellaneous: The Matriculation fee of $5.00 is required of every student each year.

For materials used in the chemical laboratory course, $3.00, payable in advance.

For materials used in the physiological laboratory, $2.00 for first course, $1.00 for second course, payable in advance.

For anatomical material, its cost, payable in advance.

For graduation fee (not returnable), including the parchment diploma, $25. This will have been paid in the examination fees of the previous years.

COURSES OF INSTRUCTION

ANATOMY

PROFESSOR DRUMMOND, ASSISTANT PROFESSORS ELLIOTT AND ROBINSON, AND DOCTOR ANDERSON

1. Systematic Anatomy. Lectures, demonstrations and recitations. Whole year: Tuesday, Friday, 9.30-10.30, except six weeks following the Easter vacation. PROFESSOR DRUMMOND

2. Recitations. Gerrish's Text-Book. Tuesday, 8.15-9.15, until the Easter vacation. ASSISTANT PROFESSOR ROBINSON

3. Recitations. Gerrish's Text-Book. Friday, 8.15-9.15. DOCTOR ANDERSON

4. Osteology and Arthrology. Recitations and student demonstrations from the dried specimens. Whole year: Thursday, 8.15-9.15 and 9.30-10.30, except six weeks following the Easter vacation. ASSISTANT PROFESSOR ROBINSON

Courses 1, 2, 3, 4, cover osteology, arthrology, myology and splanchnology, the last including the central nervous system and special sense organs. Surface anatomy is studied on the living model and free use is made of dissected specimens, models and casts with which the Calvin Seavey museum is well supplied. Students are provided with disarticulated skeletons which remain in their possession throughout the year.

5. Practical Anatomy. Dissecting. Six weeks following the Easter vacation: six half-days a week.

PROFESSOR DRUMMOND, ASSISTANT PROFESSORS ELLIOTT AND ROBINSON, AND DOCTOR ANDERSON

One hundred and thirty-five hours are devoted to practical anatomy and at least one part of the cadaver is dissected.

For First year students.

6. Systematic and Applied Anatomy. Lectures, demonstrations and quizzes. Whole year: Tuesday, Friday, 8.15-9-15, except six weeks following the Easter vacation.

PROFESSOR DRUMMOND

This course includes systematic consideration of myology, angiology and neurology. Regional and applied anatomy are treated by lectures, quizzes and demonstrations, the last named involving the use of casts, recent and dried specimens and the living model.

7. Recitations. Gerrish's Text-Book. Myology, angiology, and neurology. Tuesday, 9.30-10.30, until the Easter vacation.

ASSISTANT PROFESSOR ROBINSON

8. Recitations. Gerrish's Text-Book. Friday, 9.30-10.30.

DOCTOR ANDERSON

Courses 6, 7, 8, are for Second year students.

9. Dissecting. Six weeks following the Easter vacation: daily, 8.00-11.30 and 1.30-5.30.

PROFESSOR DRUMMOND, ASSISTANT PROFESSORS ELLIOTT AND ROBINSON, AND DOCTOR ANDERSON

During the dissecting term students are required to dissect and demonstrate a complete lateral half of the cadaver. In recent years the abundant supply of dissecting material has enabled each student to dissect practically twice the required number of parts. Second year students are required to spent two hundred and seventy hours in the anatomical laboratory and this requirement also, is usually exceeded.

For Second year students.

CHEMISTRY

PROFESSOR CRAM AND ASSISTANT PROFESSOR MESERVE

Physiological Chemistry. Whole year: Monday, Wednesday,

and Friday, 1.30-4.30, except that the Wednesday hours are omitted for the six weeks following the Easter vacation.

The book used is Hawk's Practical Physiological Chemistry. The work is mainly in the laboratory, supplemented by assigned readings and quizzes. A few lectures on Physical Chemistry are given at the beginning of the course.

For First year students.

DERMATOLOGY

PROFESSOR PUDOR

Didactic and clinical lectures. Dispensary. One hour a week. Clinic sections, one hour a week.

For Third year students.

DISEASES OF THE NOSE AND THROAT

PROFESSOR DAVIS AND DOCTORS FISHER AND ALLEN

Didactic and clinical lectures. Dispensary. One hour a week. Clinic sections, one hour a week.

Special attention will be given to the anatomy of the parts, to diagnosis, and to the clinical study of the conditions which the general practitioner is most often called upon to treat. Clinical instruction will continue through the Fourth year.

For Third year students.

GENITO-URINARY SURGERY

PROFESSOR ALFRED MITCHELL, JR. AND DOCTORS WHITMORE AND PETERS

Didactic and clinical lectures. Dispensary. One hour a week. Clinic sections, one hour a week.

For third year students.

GYNECOLOGY

PROFESSOR THOMPSON

1. Lectures, quizzes, recitations and demonstrations. Whole year: Wednesday, 10.00.

For Third year students.

2. Course in the examination of female patients. History-taking, instruction in "Touch Examinations." Dispensary. Whole year: Monday, Thursday, 11.00.

For Fourth year students.

3. Gynecological operations at the Maine General Hospital of which notice is given.

HISTOLOGY AND EMBRYOLOGY

PROFESSOR COPELAND AND ASSISTANT PROFESSOR GROSS

1. Histology. Text-book, lectures and laboratory exercises. First half-year: Monday, 8.30-11.30, Thursday, 1.30-4.30.

The elementary tissues are first studied, then the microscopic anatomy of the various organs of the human body. Some practice is provided in histological technic.

For First year students.

2. Embryology. Text-book, lectures and laboratory exercises. Second half-year: Monday, 10.30-12.30, Tuesday, 1.30-5.30.

This course serves as an introduction to vertebrate embryology with special reference to the human embryo. It treats of the reproductive cells, maturation, fertilization, cleavage, the formation of the germ layers, the development of the primitive segments, the formation of the fetal membranes and organogeny.

For First year students.

Courses of Instruction

MATERIA MEDICA, PHARMACOLOGY AND THERAPEUTICS

PROFESSOR HUNT, ASSISTANT PROFESSOR FOLLETT AND DOCTOR BICKMORE

1. Laboratory Materia Medica and Pharmacology. Monday, 8.30-10.30, until Dec. 1st. Thursday, 1.30-3.30 except during the dissection period of six weeks.

This is a laboratory course of sixty hours for second year students. There are short conferences and enough text-book work to enable the student to perform his experiments intelligently.

Early in the course is taken up the manufacture of pharmaceutical preparations. The last three-fourths of the course are devoted to experimental work. The students perform experiments either individually or in groups on living animals. This work gives the student a first-hand knowledge of the action of the more important drugs.

2. Pharmacology and Therapeutics. Monday, 8.00-9.00 and Tuesday, 8.00-9.00.

This is a course of sixty hours for third year students. It consists of text-book work, lectures and quizzes. The systematic study of drugs and other remedial agents and their application to the treatment of disease is begun.

3. Pharmacology and Therapeutics. Wednesday, 11.00-1.00, and Friday, 11.00-1.00.

This course is of about forty hours for fourth year students. It is a continuation of Course 2.

4. Therapeutics. Wednesday, 11.00-1.00, and Friday, 11.00-1.00.

This is a course of about eighty hours for fourth year students. It immediately follows Course 3. Instruction is by lectures and quizzes.

The total number of hours of instruction in this department is 240.

MEDICAL ETHICS

PROFESSOR ROBINSON

Saturday.

A course of lectures on the moral principles which should control the conduct of the medical practitioner. The sections of the formal code of ethics are discussed and explained, special emphasis being laid upon those portions that most need elucidation; and instruction is given upon various other matters concerning duty, on which the young physician particularly needs advice and guidance.

For Fourth year students.

MEDICAL JURISPRUDENCE

PROFESSOR BODGE

Saturday.

Lectures in Medical Jurisprudence, followed by an examination, will be directed to a discussion of and practical suggestions about:

First: The legal relations between physicians and their patients.

Second: The rights and obligations of physicians when appearing in Courts of Justice as medical expert witnesses.

Third: Certain subjects in legal medicine of importance to physicians which do not fall within either of the foregoing divisions.

For Fourth year students.

MEDICINE

PROFESSORS THAYER AND KEATING, ASSISTANT PROFESSORS EMERY, WELCH AND MILLIKEN, AND DOCTORS FOLSOM, CUMMINGS AND DRAKE

1. A preliminary survey of the whole field of Practice of

Medicine as covered in the text-book of Osler. Three hours a week. Professor Keating

2. Practical instruction in physical examination. Sections. Dispensary. Six hours a week.

Assistant Professors Emery, Welch and Milliken, and Doctors Folsom, Cummings and Drake

3. Clinical Diagnosis. City Hospital. Two hours a week. Professor Thayer

4. Tuberculosis clinic. Dispensary. Sections. Tuesday, 11.30-1.00. Doctor Welch

Courses 1, 2, 3 and 4 aim especially to teach a practical technic in the making of succint case-histories, in the physical examinations of patients, and in the laboratory study of blood, stomach-contents, faeces, urine and sputum.

For Third year students.

5. Bedside and laboratory study in wards. Maine General Hospital. Sections. Ten hours a week.

Professor Keating and Assistant Professor Emery

6. Specially assigned topics. Case reports. Clinical conferences. Two hours a week. Professor Thayer

7. Amphitheatre clinic. Tuesday, 9.00-11.00. Professor Thayer

Courses 5, 6 and 7 are intended to teach each student to sift his facts,—to correlate the subjective symptoms related by the patient with his own objective findings after examination,—and to reason soundly in the direction of prognosis and treatment.

For Fourth year students.

MENTAL DISEASES

Professor Tyson

Lectures. Laboratory demonstrations. Clinics. Examina-

tions of cases by individual students. Three entire Saturdays at the Maine Insane Hospital.

For Fourth year students.

NEUROLOGY

Professor Swift and Doctor Wescott

Clinics. Lectures. Laboratory work. Recitations. Whole year, Tuesday, Friday, 5.00-6.00.

For Fourth year students.

OBSTETRICS

Professor McDonough, Assistant Professor Small, and Doctors Everett and Hatch

1. Lecture or Conference. Monday, Friday, 9.00-10.00.
Professor McDonough

2. Quiz. Saturday, 9.00-10.00.
Assistant Professor Small

3. Section work on manikin. Hours to be assigned.
Doctor Everett

4. Examinations of patients to determine position and pelvic measurements, and attendance on cases. At Dispensary under direction of Doctor Everett, and at Temporary Home under direction of Doctor Hatch.

Arrangements have been made with the Boston Lying-in Hospital whereby students who have passed examinations in obstetrics at end of Third year, will attend a course of ten days or two weeks during summer or fall. If assignments come during school term, credit for attendance is allowed those absent in Boston. There is no added expense. Students must present certificates of attendance on at least six cases (the average number is ten) before presenting themselves for graduation.

OPHTHALMOLOGY AND OTOLOGY

Professor Moulton, Assistant Professor Moulton and Doctors Allen and Holt

1. Lecture and quiz course. Whole year: one hour a week.

2. Clinics. Maine General Hospital. Whole year: one hour a week during the year.

3. Clinics. Dispensary. Whole year: two hours a week.

4. Fourth year students will receive instruction in sections at the Eye and Ear Infirmary.

ORTHOPEDIC SURGERY

Professor Abbott and Doctors Pingree and Lamb

1. Didactic and clinical lectures. Children's Hospital. One hour a week.

2. Individual instruction in clinical examinations, plaster work, dressings and studies in the use of the X-ray. Sections. Ten hours a week.

For Fourth year students.

PATHOLOGY, BACTERIOLOGY AND HYGIENE

Professor Whittier, Assistant Professor Follett and Doctor Fuller

1. Hygiene. Lectures and laboratory work. Second half-year: Thursday, 1.30-4.30, Friday, 10.30-12.30, except six weeks following the Easter vacation.

Eighteen of the hours are didactic and twenty-seven are laboratory work. Lectures are given on personal hygiene and include such subjects as exercise, ventilation, sources of food and water supply, first aid in emergency cases, effects of alcohol, and sex hygiene. The course is also designed to give an introduction to

Bacteriology and includes introductory lectures on that subject. The laboratory work includes simpler bacteriological technic, microscopical examination of foods, practical experiments in disinfection and routine examinations of water and milk.

For First year students.

2. Bacteriology. Lectures and laboratory work. First half-year until the Thanksgiving recess: Monday, Tuesday, Wednesday, Friday, 1.30-5.30.

This course occupies sixteen hours a week for seven weeks. Thirty-five of the hours are didactic and seventy-seven are laboratory hours. Students are required to prepare most of the media and solutions used in this course. Each student is required to cultivate upon media twelve varieties of pathogenic bacteria and to study their characteristics. Animal inoculations and autopsies are performed by the students. Special attention is given to laboratory diagnosis of tuberculosis, diphtheria and typhoid fever.

For Second year students.

3. General Pathology, including Pathological Histology, also Pathology of the Blood. From Thanksgiving recess to the end of the year except six weeks following the Easter vacation: Monday, Tuesday, Wednesday, Friday, 1.30-5.30.

This course occupies sixteen hours a week for seventeen weeks. Sixty-five of the hours are didactic and devoted to quizzes and lectures and two hundred and seven are laboratory hours. Mallory's text-book is used as a basis for the course in Pathological Histology. The text-book is supplemented by lectures on Gross Pathology and special subjects. As far as possible the consideration of a subject in the classroom

is followed by a study of the same subject in the laboratory. Much time is given before the Easter vacation to diagnosis work upon microscopical preparations. The last two weeks of the course are devoted largely to the study of the pathology of the blood and the technic of blood examinations. Students are trained in counting red and white corpuscles, in estimating amount of hemoglobin, in preparation and examination of stained specimens.

For Second year students.

4. Clinical Pathology. Practical work by assignment in the Portland hospitals and in the school laboratory. Also scheduled work in the school laboratory from the Easter vacation to the end of the year: Tuesday, 2.00-5-00, Wednesday, 2.00-4.00.

The scheduled course occupies five hours a week for nine weeks. Eighteen of the hours are didactic, and twenty-seven are laboratory hours. The course in Clinical Pathology occupies at least eighty hours. Of these only forty-five are scheduled.

Arrangements have been made with the Maine General Hospital, the Maine Eye and Ear Infirmary and the Edward Mason Dispensary for Third year students to do pathological work in these institutions. Regular assignments are made and reports of work done required. By arrangement with the physicians in charge special attention is given to the clinical side of this work.

Instruction is given as opportunity occurs at surgical clinics and autopsies. In the work at the Medical School building each student examines microscopically tissues and other pathological material obtained at the Maine General Hospital, Maine Eye and Ear Infirmary, Children's Hospital and Edward Mason Dispensary. Whenever possible students are required to obtain material from the patients.

Students receive special training in the technic of preparing bacterial vaccines, also in performing the Wassermann test for syphilis, in typing pneumococci, and in testing blood compatibility.

For Third year students.

PEDIATRICS

LECTURER MOORE

1. Recitations based on text-book, together with clinical demonstrations. First half-year: Monday, 5.00, Wednesday, 10.00.

2. Recitations conducted by the case teaching method, emphasizing differential diagnosis and treatment. Second half-year: at the same hours.

3. Clinical instruction of small sections. Whole year: Tuesday, Thursday, Saturday, 11.00-1.00, Edward Mason Dispensary.

Infant care and feeding at the Portland Milk Station clinic.

Diseases and disorders of children at the Dispensary clinic.

4. Clinical instruction in acute diseases of childhood at the Children's Hospital and at the Female Orphan Asylum. By appointment throughout the school year.

Courses 1, 2, 3, 4 are for Fourth year students.

PHYSIOLOGY

PROFESSOR SMITH AND ASSISTANT PROFESSORS BOLSTER AND FOLLETT

1. Functions of Nutrition. First half-year: recitations and lectures until December 1; from December 1 to March 28, laboratory work twice weekly, 8.00-10.30. A total of 88 hours

ASSISTANT PROFESSOR BOLSTER

This course will include the graphic study of Nerve-Muscle physiology; the physical and microscopical study of blood; the phenomena and physics of Circulation, Respiration, Secretion, Excretion and Digestion, Metabolism and Animal Heat.

The laboratory is equipped with a set of Harvard apparatus sufficient for the use of the entire class in groups, each group having its own complete putfit. There is an ample equipment of demonstration and other apparatus and models.

There are frequent written reviews and quizzes and a final laboratory examination is held at the close of this course.

2. Continuation of Course 1. Recitations, supplementary lectures and demonstrations. Second half-year: Wednesday, Saturday, 8.15-10.30. PROFESSOR SMITH

Courses 1, 2 are for First year students.

3. Functions of Relation. Recitations and lectures with necessary demonstrations. From opening of year to March 28, twice weekly, 8.15-10.30. PROFESSOR SMITH

The work includes the study of Reproduction, the Nervous System, the Physiology of Voice and Speech, the Special Senses, and the mechanics of the Muscular System. The equipment in models of the Nervous System and Special Sense organs is ample for all demonstration work, and students will have opportunity for personal study of the models of the Nervous System which are of the latest design and of special excellence.

4. Laboratory demonstration exercise, in connection with the Nervous System and the Special Senses. This course will cover over 40 hours. December, January, February, March: Monday, 8.00-11.00.

PROFESSOR SMITH AND ASSISTANT PROFESSOR FOLLETT

Work in Physiology for the Second year students is suspended for the six weeks of the dissecting term and resumed for review recitations at its close.

Courses 3, 4 are for Second year students.

Instruction in the department of Physiology will be conducted with particular reference to the practical application of the facts of human physiology to the needs of the student in his study of the diagnosis and treatment of disease.

A laboratory fee will be charged to defray the cost of material, which fee must be paid at the office of the Deputy Dean before beginning the laboratory course. This fee is $2.00 for the First year and $1.00 for the Second year. Students furnish at their own expense necessary instruments for nerve-muscle dissection, and are charged with the cost of loss and injury to apparatus.

Recitations in this department will be from Haliburton's Text-Book of Physiology, Blakiston's Edition.

PUBLIC HYGIENE

PROFESSOR BRISTOL

Public Hygiene. First half-year.

Principles of public sanitation. Source and character of public and private water supplies and the interpretation of the results of their analysis. Collection and disposal of waste sewage and garbage with reference to preventable diseases. Health boards, and their relation to the public. Study of the epidemiology of infectious disease.

For Second year students.

Courses of Instruction

SURGERY

PROFESSORS TOBIE, BROCK AND BRADFORD, AND DOCTORS TWITCHELL, C. M. LEIGHTON, DYSON, P. W. DAVIS, HANEY AND TIBBETTS

1. General Surgery. Whole year: Wednesday, Thursday, Friday, Saturday, 8.00-9.00.

There will be special instruction in bandaging, surgical technic, the administration of anaesthetics, the use of surgical instruments, the principles of surgery, general surgery, fractures, dislocations and hernias. This course is intended to enable students to enter upon their fourth year with a comprehensive view of surgery.

For Third year students.

2. Clinical General Surgery. Whole year: Maine General Hospital, Monday and Thursday, 9.00-11.00; Edward Mason Dispensary, Monday, 12.00-1.00.

The clinics at the Maine General Hospital will be given by members of the visiting staff. Clinical instruction at the Edward Mason Dispensary will be given by the professor of surgery.

For Third year students.

3. Special Surgery. Whole year: Tuesday, 8.00-9.00, Friday, 9.00-10.00, Thursday, 5.00-600.

There will be instruction in regional surgery and surgical anatomy, excluding parts taught in special departments.

For Fourth year students.

4. Clinical Special Surgery. Whole year: Ward visits in sections at the Maine General Hospital, Monday, Tuesday, Thursday, Saturday, 11.00-1.00. Operations in the amphitheatre. Operations by students on the cadaver.

Students will observe and take part in the treatment of patients at the Edward Mason Dispensary. A large part of the practical instruction will be given at the Maine General Hospital; but the clinical material of other institutions in Portland will be utilized at the discretion of the surgical teaching staff.

For Fourth year students.

SCHEDULE FOR FIRST YEAR

A. M.	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8.30	*Histology	*Anatomy ȣAnatomy	Physiology	*Osteology ‡Anatomy ȣAnatomy	ȣAnatomy	Physiology
9.30	*Histology	*‡Anatomy ȣAnatomy	Physiology	*Osteology ‡Anatomy ȣAnatomy	*‡Anatomy ȣAnatomy	Physiology
10.30	*Histology †Embryology	ȣAnatomy		ȣAnatomy	‡Hygiene ȣAnatomy	
11.30	*Embryology				‡Hygiene	
P. M. 1.30	*Chemistry	†Embryology	*Chemistry ȣAnatomy	*Histology ‡Hygiene ȣAnatomy	*Chemistry	ȣAnatomy
2.30	Chemistry	†Embryology	*‡Chemistry ȣAnatomy	*Histology ‡Hygiene ȣAnatomy	Chemistry	ȣAnatomy
3.30	Chemistry	†Embryology	*‡Chemistry ȣAnatomy	*Histology ‡Hygiene ȣAnatomy	Chemistry	ȣAnatomy
4.30	†Chemistry	†Embryology	‡Chemistry		†Chemistry	

* First half year. ‡ Second half year except from April 6—May 19, 1920.
† Second half year. ȣ Dissecting second half year April 6—May 19, 1920.

SCHEDULE FOR SECOND YEAR

A. M.	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8.30	*Physiology °Pharmacol. †Anatomy	‡Anatomy †Anatomy	‡Physiology †Anatomy	‡Chemistry §Pub. Hygiene †Anatomy	‡Anatomy †Anatomy	‡Physiology †Anatomy
9.30	*Physiology °Pharmacol. †Anatomy	‡Anatomy †Anatomy	‡Physiology †Anatomy	‡Chemistry §Pub. Hygiene †Anatomy	†Anatomy	‡Physiology †Anatomy
10.30	†Anatomy	†Anatomy	†Anatomy	‡Chemistry †Anatomy	†Anatomy	†Anatomy
11.30	†Anatomy	†Anatomy	†Anatomy	‡Chemistry †Anatomy	†Anatomy	†Anatomy
P. M. 1 30	‡Pathology & Bacteriology †Anatomy	‡Pathology & Bacteriology †Anatomy	‡Pathology & Bacteriology †Anatomy	‖Pharmacol. †Anatomy	‡Pathology & Bacteriology †Anatomy	†Anatomy
2.30	‡Pathology & Bacteriology †Anatomy	‡Pathology & Bacteriology †Anatomy	‡Pathology & Bacteriology †Anatomy	‖Pharmacol. †Anatomy	‡Pathology & Bacteriology †Anatomy	†Anatomy
3.30	‡Pathology & Bacteriology †Anatomy	‡Pathology & Bacteriology †Anatomy	‡Pathology & Bacteriology †Anatomy	†Anatomy	‡Pathology & Bacteriology †Anatomy	†Anatomy
4.30	‡Pathology & Bacteriology †Anatomy	‡Pathology & Bacteriology †Anatomy	‡Pathology & Bacteriology †Anatomy	†Anatomy	‡Pathology & Bacteriology †Anatomy	†Anatomy

* December—January—February—March.
† Dissecting—April 6—May 19, 1920.
‡ Except from April 2—May 19, 1920.
° Until December 1.
‖ Except during Dissecting Period
§ First Semester or until April

SCHEDULE FOR THIRD YEAR

All exercises are held in the School Building on Chadwick Street, unless otherwise specified.

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8—9	Materia Medica	Materia Medica	Surgery	Surgery	Surgery	Surgery
9—10	Obstetrics	Medical Clinic Me. Gen. Hosp.	Gynecology	Eye and Ear Clinic Me. Gen. Hosp.	Obstetrics	Obstetrics
10—11	Surgical Clinic Me. Gen. Hosp.	Medical Clinic Me. Gen. Hosp.		Surgical Clinic Me. Gen. Hosp.		
11—12	Dispensary Surgery	Dispensary Medicine	Dispensary Eye and Ear	Dispensary Skin	Dispensary Nose and Throat	Dispensary G. U. Surgery
12—1	Dispensary Clinic Sections	Dispensary Clinic Sections	Dispensary Clinic Sections	Dispensary Clinic Sections	Dispensary Clinic Sections	Dispensary Clinic Sections
2—3						
3—4		†Clin. Pathology	†Clin. Pathology			
4—5		†Clin. Pathology	†Clin. Pathology	Med. Diagnosis City Hospital		
5—6	Medicine	Medicine		Med. Diagnosis City Hospital	Medicine	

† April 2 to end of year. Other hours by appointment.

SCHEDULE FOR FOURTH YEAR

All exercises are held in the School Building on Chadwick Street, unless otherwise specified.

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8—9	Medicine	Surgery	Sect. C. I.	Sect. C. I.	Sect. C. I.	Sect. C. I.
9—10	Surgery N.	Medicine O.	Orthopedics C.	Surgery N.	Surgery	Clinics and Lectures by special announcement.
10—11	Surgery N.	Medicine O.	Pediatrics C.	Surgery N.	Medicine	
11—1	Sect.Surg.Med. M. Gynecol. D.	Sect.Surg.Med.M. Ped. S.	Pharmacol. and Therap.	Sect.Surg.Med. M. Ped. S.	Pharmacol. and Therap.	Surgery, Medicine, Nervous and Mental Diseases, Pediatrics, G. U. Surgery, Medical Jurisprudence, Medical Ethics
3—5	Clin. Sect. C. Med. M.	Clin. Sect. C. Med. M.		Clin. Sect. C. Med. M.	Clin. Sect. C. Med. M.	
4—5				Eye, Ear Clin. M.		
5—6	Pediatrics	Neurology C.		Surgery	Neurology C.	

Sect.—Section. M.—Maine General Hospital. C.—Children's Hospital. D.—Dispensary.
I.—Eye and Ear Infirmary. O.—Old Amphitheatre. N.—New Surgical Amphitheatre.
G.—Greeley (City) Hospital. S.—Milk Station, City Building.